

WHAT IS CLAIMED IS:

1. A communication apparatus with an address translation function located between terminals, which communicate over an IP (Internet Protocol) network, for processing different types of data for communication, wherein in the IP network an address uniquely identifying a called party is a first address and an address used in a closed network is a second address, said apparatus comprising:

a first control circuit that sends destination information indicating a destination and a call instruction, which are included in the data, and a reception instruction;

an information storage that stores therein the first address to which the second address is made to correspond with IP address translation, information indicating which address, first or second, is to be set in the call instruction and the reception instruction, and port information used for identifying applications;

a second control circuit that determines which address, first or second, is set as a destination address in a call message generated based on information read out from said information storage and that performs control according to a standard;

a codec circuit that performs codec processing for supplied data; and

an interface circuit that connects the IP network to said apparatus.

2. The apparatus in accordance with claim 1, wherein said apparatus conforms to Recommendation H.323 ~~(Ver. 2, February 1998)~~ of International Telecommunication Union Telecommunication Standardization Sector (ITU-T).

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3. The apparatus in accordance with claim 1, wherein said second control circuit comprises:

a call control circuit;

an H.245 control circuit that conforms to a standard of Recommendation H.245 ~~(Ver. 3 January 1998)~~ of International Telecommunication Union Telecommunication Standardization Sector (ITU-T);

a RAS (Registration, Admissions, and Status) control circuit that controls a registration, admission, and status of the information; and

an address determination circuit that determines which address, first or second, is to be set up for the destination address.

4. The apparatus in accordance with claim 2, wherein said second control circuit comprises:

a call control circuit;

an H.245 control circuit that conforms to a standard of Recommendation H.245 ~~(Ver. 3 January 1998)~~ of International Telecommunication Union Telecommunication Standardization Sector (ITU-T);

a RAS control circuit that controls a registration, admission, and status of the information; and

an address determination circuit that determines which address, first or second, is to be set up for the destination address.

5. The apparatus in accordance with claim 1, wherein said information storage contains a value as port difference information, said value being used for shifting a port number to uniquely identify each device even if the port information is the same.